

17236 U.S. PTO  
020504

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PTO/SB/05 (12/97)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|---|--|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No.                            | TI-36284   |
|   | First Named Inventor or Application Identifier | Jianbai Zhu, et al.                                  |
|   | Title  | High Density Vertically Stacked Semiconductor Device |
| Express Mail Label No.  |  | EV333324002US  |

| APPLICATION ELEMENTS<br><small>See MPEP Chapter 600 concerning utility patent application contents</small>   |                          | ADDRESS TO:<br>Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231  |  |
|--|--------------------------|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><small>(Submit an original, and a duplicate for fee processing)</small>   |                          | 6. <input type="checkbox"/> Microfiche Computer Program (Appendix)   |  |
| 2. <input checked="" type="checkbox"/> Specification<br><small>(preferred arrangement set forth below)</small><br>- Descriptive title of the Invention<br>- Cross References to Related Applications<br>- Statement Regarding Fed sponsored R&D<br>- Reference to Microfiche Appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings (if filed)<br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure | [Total Pages] <b>21</b>  | 7. Nucleotide and/or Amino Acid Sequence Submission<br><small>(if applicable, all necessary)</small><br>a. <input type="checkbox"/> Computer Readable Copy<br>b. <input type="checkbox"/> Paper Copy (identical to computer copy)<br>c. <input type="checkbox"/> Statement verifying identical of above copies |  |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC d113)  | [Total Sheets] <b>11</b> | <b>ACCOMPANYING APPLICATION PARTS</b>  |  |
| 4. Oath or Declaration unsigned  | [Total Pages] <b>1</b>   | 8. <input type="checkbox"/> Assignment Papers (cover sheet & Documents(s))   |  |
| a. <input checked="" type="checkbox"/> Newly Executed (original or copy)   |                          | 9. <input type="checkbox"/> 37 CFR §3.73(b) Statement<br><small>(when there is an assignee)</small>  | <input checked="" type="checkbox"/> Power of Attorney  |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR §1.63(d))<br><small>(for continuation/divisional with Box 17 completed)</small>  |                          | 10. <input type="checkbox"/> English Translation Document (if applicable)  |  |
| <b>[Note Box 5 below]</b>  |                          | 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449   | <input type="checkbox"/> Copies of IDS Citations   |
| i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §1.63(d)(2) and 1.33(b).   |                          | 12. <input type="checkbox"/> Preliminary Amendment   |  |
| 5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked)<br>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.   |                          | 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><small>(Should be specifically itemized)</small>   |  |
|  |                          | 14. <input type="checkbox"/> Small Entity Statement(s)   | <input type="checkbox"/> Statement filed in prior application Status still proper and desired<br><small>(PTO/SB/09-12)</small> |
|  |                          | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><small>if foreign priority is claimed</small>   |  |
|  |                          | 16. <input type="checkbox"/> Other:  |  |

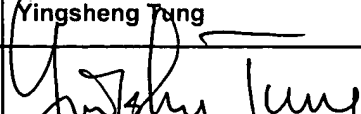
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label **23494** or ☐ Correspondence address below  
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| COUNTRY | TELEPHONE | (972) 917-5355 | FAX (972) 917-4418 |

|                   |   |                                   |        |
|-------------------|---|-----------------------------------|--------|
| Name (Print/Type) | Yingsheng Tung  | Registration No. (Attorney/Agent) | 52,305 |
| Signature         |  | Date                              | 2-5-04 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL**

for FY 2003

Express Mailing Label No.: EV333324002US

**Complete If Known**

|                      |                      |
|----------------------|----------------------|
| Application Number   | TBD                  |
| Filing Date          | Herewith             |
| First Named Inventor | Jianbai Zhup, et al. |
| Examiner Name        | TBD                  |
| Group / Art Unit     | TBD                  |
| Attorney Docket No.  | TI-36284             |

TOTAL AMOUNT OF PAYMENT (\$ 770.00)

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge to the following Deposit Account,

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

- ☒ Charge any additional fee required or credit any overpayment ☐ Charge all indicated fees and any additional fee required or credit any overpayment

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 1001           | 770             | 2001           | 370             | Utility filing fee     | \$770    |
| 1002           | 330             | 2002           | 165             | Design filing fee      | \$       |
| 1003           | 510             | 2003           | 255             | Plant filing fee       | \$       |
| 1004           | 740             | 2004           | 370             | Reissue filing fee     | \$       |
| 1005           | 160             | 2005           | 80              | Provisional filing fee | \$       |

SUBTOTAL (1) (\$770)

**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 20                 | -20** = 0    | 18             | 0        |
| Independent Claims | 3            | -3** = 0       | 86       |
| Multiple Dependent |              | 260            |          |

\*\*or number previously paid, if greater; For Reissue, see below

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 1202           | 18              | 2202           | 9               | Claims in excess of 20                                    |
| 1201           | 86              | 2201           | 42              | Independent Claims in excess of 3                         |
| 1203           | 280             | 2203           | 140             | Multiple dependent claims in excess of 3                  |
| 1204           | 86              | 2204           | 42              | **Reissue independent claims over original patent         |
| 1205           | 18              | 2205           | 9               | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$0)

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   | Fee Paid |
|----------------|-----------------|----------------|-----------------|---|----------|
| 1051           | 130             | 2051           | 65              | Surcharge - late filing fee   |          |
| 1052           | 50              | 2052           | 25              | Surcharge - late provisional filing fee or cover sheet.                   |          |
| 1053           | 130             | 2053           | 65              | Non-English specification   |          |
| 1812           | 2,520           | 1812           | 2,520           | For filing a request for reexamination                                    |          |
| 1804           | 920*            | 1804           | 920*            | Requesting publication of SIR prior to Examiner action                    |          |
| 1805           | 1,840*          | 1805           | 1,840*          | Requesting publication of SIR after Examiner action                       |          |
| 1251           | 110             | 2251           | 55              | Extension for reply within first month                                    |          |
| 1252           | 420             | 2252           | 200             | Extension of time within second month                                     |          |
| 1253           | 950             | 2253           | 460             | Extension of time within third month                                      |          |
| 1254           | 1,480           | 2254           | 720             | Extension of time within fourth month                                     |          |
| 1255           | 2,010           | 2255           | 980             | Extension of time within fifth month                                      |          |
| 1401           | 330             | 2401           | 160             | Notice of Appeal  |          |
| 1402           | 330             | 2402           | 160             | Filing a brief in support of an appeal                                    |          |
| 1403           | 290             | 2403           | 140             | Request for oral hearing  |          |
| 1451           | 1,510           | 1451           | 1,510           | Petition to institute a public use proceeding                             |          |
| 1452           | 110             | 2452           | 55              | Petition to revive - unavoidable  |          |
| 1453           | 1,330           | 2453           | 640             | Petition to revive - unintentional  |          |
| 1501           | 1,280           | 2501           | 640             | Utility issue fee (or reissue)  |          |
| 1502           | 460             | 2502           | 230             | Design issue fee  |          |
| 1503           | 620             | 2503           | 310             | Plant issue fee   |          |
| 1460           | 130             | 1460           | 130             | Petitions to the Commissioner   |          |
| 1801           | 770             | 2801           | 370             | Request for Continued Examination (RCE)                                   |          |
| 1806           | 180             | 1806           | 180             | Submission of Information Disclosure Stmt.                                |          |
| 8021           | 40              | 8021           | 40              | Recording each patent assignment per properly (time number of properties) |          |
| 1809           | 740             | 2809           | 370             | Filing a submission after final rejection (37 CFR 1.129(a))               |          |
| 1810           | 740             | 2801           | 370             | For each additional invention to be examined (37 CFR 1.129(b))            |          |

Other fee (specify)

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

0

**SUBMITTED BY**

Typed or Printed Name

Yingsheng Tung

Signature

Yingsheng Tung

Date

2-5-4

Complete (if applicable)

Reg. Number

52,305

Deposit Account User ID